

**Commonwealth of Kentucky  
Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Massoud Kayvanjah

GENERAL INFORMATION:

Name:	Flowers Baking Co. of Kentucky LLC.
Address:	1755 Parkway Drive, Bardstown, KY 40004
Date application received:	9/12/2007
SIC Code/SIC description:	2051, Bakery
Source ID:	21-179-00061
Agency Interest:	97789
Activity:	APE20070001
Permit:	F-07-052

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> [ X ] Initial issuance	<input type="checkbox"/> [ ] General permit
<input type="checkbox"/> [ ] Permit modification	<input checked="" type="checkbox"/> [ X ] Conditional major
__Administrative	<input type="checkbox"/> [ ] Title V
__Minor	<input type="checkbox"/> [ ] Synthetic minor
__Significant	<input type="checkbox"/> [ ] Operating
<input type="checkbox"/> [ ] Permit renewal	<input checked="" type="checkbox"/> [ X ] Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> [ ] Source is out of compliance	<input type="checkbox"/> [ ] Compliance schedule included
<input type="checkbox"/> [ ] Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> [ ] NSR	<input type="checkbox"/> [ ] NSPS	<input checked="" type="checkbox"/> [ X ] SIP
<input type="checkbox"/> [ ] PSD	<input type="checkbox"/> [ ] NESHAPS	<input type="checkbox"/> [ ] Other
<input type="checkbox"/> [ ] Netted out of PSD/NSR	<input type="checkbox"/> [ ] Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ [ ] Acid rain source
- ☐ [ ] Source subject to 112(r)
- ☐ [ ] Source applied for federally enforceable emissions cap
- ☐ [ ] Source provided terms for alternative operating scenarios
- ☐ [ ] Source subject to a MACT standard
- ☐ [ ] Source requested case-by-case 112(g) or (j) determination
- ☐ [ ] Application proposes new control technology
- ☒ [ X ] Certified by responsible official
- ☒ [ X ] Diagrams or drawings included
- ☐ [ ] Confidential business information (CBI) submitted in application
- ☐ [ ] Pollution Prevention Measures
- ☐ [ ] Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Predicted Actual (tpy)	Potential (tpy)
PM/PM <sub>10</sub>	0.94	1
SO <sub>2</sub>	0.05	0.05
NO <sub>x</sub>	8.5	8.57
CO	7.2	7.20
VOC	6.5	90
Single HAP	0.21	0.21
Source wide HAPs	0.25	0.25

SOURCE DESCRIPTION:

Flowers Baking Company of Kentucky, LLC, submitted an application to the Division on September 12, 2007 to construct and operate bread manufacturing at 1755 Parkway Drive, Bardstown, Kentucky. The facility will process 11,200 pounds per hour dough to produce packages of bread, using a 7 MMBtu/hr natural gas burning bun-oven and two natural gas fuel boilers rated each at 6.28 MMBtu/hr for steam. Baking dough has the potential to emit VOC above the major source threshold of 100 tons/year. The facility has requested a federally enforceable permit. A ninety five (95) percent efficient thermal oxidizer will be installed on the oven for destruction of the VOC and HAPs. Controlled emissions of the baking oven shall reduce VOC emissions below the major source threshold. This permit is being issued as federally enforceable state origin (FESOP) permit for non- major source (Conditional Major).

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

In accordance with 401 KAR 52:030, Section 1, and to preclude the applicability of 401 KAR 52:020, source wide VOC emissions from the baking oven, the boilers, and all insignificant activities shall not exceed 90 tons/year on a twelve-month rolling total. Maximum single HAP (acetaldehyde) emissions shall not exceed 9 tons per year and combined HAP shall not exceed 22.5 tons per year.

OPERATIONAL FLEXIBILITY: NONE